

Abstract:

The Invention relates to mufflers with variable damping characteristic for motor vehicles with internal combustion engine, comprising a housing (20) with at least one gas pipe (1), terminating in the housing (20), and at least one valve whose closure element (3) closes the end (2) of the pipe (1) in rest position. The closure element (3) is a disk, seated on a guide rod (4). The guide rod (4) is guided in a guide sleeve (5) and performs a lifting movement. The spring (8) is positioned in a valve housing (10) which is gastight and connected in gastight manner to the muffler housing (20).

As soon as the pressure in the gas pipe (1) is high enough, the valve disk (3) opens against the force of the spring (8).